

**MORRISON & FOERSTER LLP**

Attorneys at Law  
425 Market Street  
San Francisco, California 94105-2482  
Telephone: (415) 268-7000  
Facsimile: (415) 268-7522

**RECEIVED**  
**CENTRAL FAX CENTER**

**SEP 24 2004****To:**

NAME:	FACSIMILE:	TELEPHONE:
U.S. Patent and Trademark Office M/S AF	(703) 872-9306	

**FROM:** Robert E. Scheid (Reg. No. 42,126)**DATE:** September 24, 2004

Number of pages with cover page:	24
----------------------------------	----

Preparer of this slip has confirmed that facsimile number given is correct: 2451/jxh3**CAUTION - CONFIDENTIAL**

This facsimile contains confidential information which may also be privileged. Unless you are the addressee (or authorized to receive for the addressee), you may not copy, use, or distribute it. If you have received it in error, please advise Morrison & Foerster LLP immediately by telephone or facsimile and return it promptly by mail.

**Contents of this Transmission:**

Inventor: David LEWIS et al.		Atty Docket No. 306812002500:
Application No.: 10/057,232	Filing Date: January 25, 2002	
Group Art Unit: 2825	Examiner: L. H. Malsawma	
Title:	SYSTEM AND METHOD FOR ASYMMETRIC ROUTING LINES	
Documents Filed:		
Transmittal (1 page)		
Reply to Final Office Action Under 37 CFR §1.113 (22 pages)		
Facsimile Return Receipt Cover		
Sender's Initials:	RES4/jxh3	Date September 24, 2004

sf-1785547

BEST AVAILABLE COPY

PTO/SB/21 (02-04)

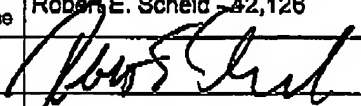
Approved for use through 07/31/2008. OMB 0651-0031

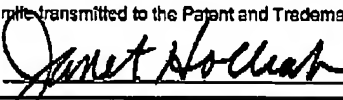
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/057,232	
	Filing Date	January 25, 2002	
	First Named Inventor	David LEWIS	
	Art Unit	2825	
	Examiner Name	L. H. Malsawma	
Total Number of Pages in This Submission	23	Attorney Docket Number	306812002500

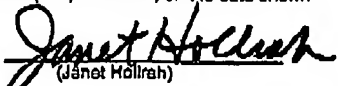
ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply (22 pages) <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Facsimile Return Receipt Cover Sheet is Uncounted Page of this Submission		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 20872) Robert E. Scheid - 42,126
Signature	
Date	September 24, 2004

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-8308, on the date shown below.	
Dated: September 24, 2004	Signature:  (Janet Hollrah)

sf-1755456

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9306, on the date shown below.

Dated: September 24, 2004 Signature: 

(Janet Hollrah)

**RECEIVED**  
**CENTRAL FAX CENTER**

SEP 24 2004

Docket No.: 306812002500  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
David LEWIS et al.

Application No.: 10/057,232

Art Unit: 2825

Filed: January 25, 2002

Examiner: L. H. Malsawma

For: SYSTEM AND METHOD FOR ASYMMETRIC  
ROUTING LINES

**REPLY TO FINAL OFFICE ACTION UNDER 37 CFR § 1.113**

MS AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This is in response to the final Office Action dated July 27, 2004 (Paper No. 07222004), for which a response was due on October 27, 2004. This response is filed within two months of the issuance of the final Office Action and therefore qualifies for expedited review. As such, this reply is timely filed. Reconsideration and allowance of the pending claims, as amended, in light of the remarks presented herein are respectfully requested.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**The Remarks** begin on page 17 of this paper.

**The Conclusion** begins on page 22 of this paper.

sf-1755457

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☐ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**